



मैट्स विश्वविद्यालय मुक्त एवं दूरवर्ती शिक्षा कार्यक्रम आरंग, रायपुर (छ0ग0)

MATS UNIVERSITY OPEN & DISTANCE LEARNING CENTRE ARANG, RAIPUR (C.G.)

**सत्रीय कार्य / Assignment Work – 2013-14**

***M.Sc. Life Science (Prev.)***

**Max Marks – 30**

**Min Marks-12**

**निर्देश :** सत्रीय कार्य के प्रत्येक विषय में कुल 30 अंक हैं। सभी प्रश्नों के अंक समान होंगे। सभी प्रश्न हल कीजिए। (Assignment Work of each paper carries 30 Marks. All questions carry equal marks. Attempt all questions.)

***Paper-I (Molecules and their Interaction Relevant to Biology)***

1. What are Oligosaccharides? Discuss various types of you have studied.
2. What is glycolysis? Discuss in detail.
3. What is -oxidation? Explain the various steps of their process.

***Paper-II (Cellular Organisation)***

1. Explain structure & function of types of cytoskeleton and its role in motility.
2. Explain different stages of cell cycle. Its control and regulation.
3. Compare the different characteristics of prokaryotic cell from eukaryotic cell.

***Paper-III (System Physiology - Plant)***

1. Write detailed note on ETC, also discuss its significance.
2. Write an essay on “biological nitrogen fixation”.
3. Discuss in brief the different theories of stomatal movement.

***Paper-IV (Diversity of Life-Forms)***

1. Give an account of classical and quantitative methods of taxonomy.
2. What are the different level of structural Organization? Explain.
3. Explain principle of conservation? What is in-situ and ex-situ conservation?

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